CARY AUDIO

The Sound of Perfection

About Cary

Cary Audio was founded in 1989 with a firm commitment to producing the very highest quality two-channel vacuum tube equipment, and we continue to innovate and lead the industry in this market sector. Our dedication to accurate and lifelike reproduction of music has led to many awards and rave reviews all over the world. Our efforts are guided by the knowledge that we sell not just audio gear, but rather a means to enjoy music and video entertainment.

After spending many years in research and development, Cary Audio brought out a line of digital home theater products to complement our music systems. Sharing the same hallmark sound quality, whether used for surround sound or stereo music, these processors and amplifiers quickly garnered a reputation as the finest sounding home theater systems in the world. With the same fanatical insistence on achieving low noise and low distortion, selecting the best quality parts and the very latest in digital signal processing for both audio and video, sourced from the most respected suppliers, Cary Audio has succeeded in once again not only raising the bar, but setting a new standard for entertainment systems. Taking digital design a step further, Cary Audio is now introducing a new generation of source components that allow streaming of music to and from a network, easy archiving and enjoying a large CD collection, and accessing the myriad of music available via Internet radio.

By our unswerving insistence on quality and performance, and by constantly listening to our consumers, Cary Audio stays at the leading edge of our fast-developing industry. As we have evolved from strictly two-channel purist music systems into cutting-edge digital home theater and streaming solutions, we have remained true to our dedication to produce the finest high performance products on the planet. Whether you listen to a brand new digital to analog converter (DAC), streamer, or a tube preamplifier and amplifier that were developed 20 years ago, you'll experience the comfort of knowing that you have invested in Cary Audio, the very best!

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SL-100 Preamplifier

The SL-100 preamplifier combines the desirable attributes of low noise, low distortion and ease of use, making it an excellent preamplifier choice for your home audio system. This preamplifier offers a XLR balanced input and multiple RCA single-ended inputs making it a flexible design. The adjustable brightness front panel display shows current settings and volume levels during use. The SL-100 has its own power supply and offers outstanding musical reproduction using your favorite music.

All of this connectivity would mean little if the SL-100 didn't sound fantastic. Its matched set of tubes will produce a lush midrange, sweet highs, and a warm yet solid bass, and match well with any of our quality power amplifiers. For those who want style and simplicity without sacrificing the lifelike sound of tubes, the SL-100 is a natural choice.

SLP-98 Preamplifier

Cary Audio has offered this preamplifier and its predecessors for over 20 years, and it is still as musically satisfying as ever. It is still hand-built and hand-wired in North Carolina, and utilizes matched tubes and zero feedback for the most accurate musical presentation. The SLP-98 uses an external power supply enclosure, like its big brother the SLP-05, to keep any high-voltage electrical noise away from the circuits that handle the delicate musical reproduction.

With five inputs, the SLP-98 can manage an elaborate system, and gives you the convenience of remote volume control. Turntables are making a big comeback, and we even offer an optional built-in phono stage for MM cartridges, making it truly a value for its level of performance (model SLP-98P with phono stage, SLP-98L as a line-stage only). Regardless of whether you listen to vinyl records, tape, CDs, or any of today's digital sources, the SLP-98 will give you many years of enjoying delicate highs and powerful lows from all of your music.

SLP-05 Preamplifier

Cary Audio's finest preamplifier has been the recipient of many awards and glowing reviews. It consists of one enclosure housing the preamplifier itself, and a second separate power supply to keep noise out of the musical signal path and provide a more stable electrical foundation. Like most Cary Audio products it is fully differential-balanced in construction to further reduce electronic noise, and uses no global feedback for faster response. The SLP-05 features three pairs of RCA inputs plus a tape loop, as well as two pairs of XLR balanced inputs, and includes a Cinema Bypass mode so you can share sources between the music system and a home theater processor without worrying about degrading the signal path or having to readjust volume.

A set of hand-matched tubes is provided with your SLP-05, as well as a matched pair that simply power a built-in headphone amplifier. All of this technology simply means that you will be listening to music that is lifelike in its richness and clarity, and full of the tiny details that raise the SLP-05 from simply good to world-class. Cary Audio's attention to detail in circuit design, parts quality, and a superb finish, makes this truly an investment in musical enjoyment and pride of ownership.

PH-302 MkII Phono Preamplifier

Cary Audio has always supported playback of vinyl records, and today there is a revival of the LP as a serious format, both for audiophiles and for the general music public. The PH-302 MkII is a tube stereo phono preamplifier that offers inputs and selectable loading to match almost any moving-magnet or moving-coil phono cartridge. This will optimize the response, and provide high gain, to best match your cartridge.

The PH-302 MkII uses a fully regulated power supply and extensive shielding, to go along with carefully selected and matched parts and tubes to provide a very quiet background, exquisite sound quality, and wide dynamic range for getting the most out of every record. You'll hear subtle shadings and exciting dynamic contrasts on all types of music. If you are serious about your vinyl music collection and your turntable, the PH-302 MkII should be part of your system.

SI-300.2d Integrated Amplifier

The SI-300.2d integrated amplifier is yet another milestone as Cary Audio forges deeper into the new era of sought after premium audio systems. Cary Audio is highly regarded for the rich, warm, yet detailed sound of our components. This includes both analog components and digital components, as we have become a reference standard in both. Combining Cary Audio's analog preamplifier and power amplifier sound with our spectacular digital section is a natural evolution, and one that is stunning.

The SI-300.2d mates a Class AB 300 watts x 2 power amplifier with analog RCA and XLR inputs and an analog preamplifier gain stage. The digital sections are a chip off our reference products thereby including only the best digital circuit topology, digital to analog conversion process, and technology like our proprietary TruBit© Upsampling feature. Inputs include (4) - Line level inputs (2-balanced XLR, 2-RCA), Cinema Bypass, XMOS USB, Coaxial (2), Optical, AES/EBU, and aptX® Bluetooth. All SPDIF and Bluetooth digital sources allow for selectable digital upsampling including 44.1, 48, 88.2, 96, 176.4, 192, 384, 768. XMOS USB input allows for native 32 Bit /384kHz playback and DSD 64, 128, and 256 music. The powerful solid state class AB 300 watt x 2 stereo power amplifier ensures even the most difficult of loads are tamed while delivering Cary Audio's famous tube like sound. A pair of analog "Cary Blue" meters on the right side show the power being delivered while the left side displays all source information. The handsome center mounted volume control and frame make for a spectacular unit that is just as enjoyable to look at as it is to listen to.

SLI-80 Integrated Amplifier

For many years the SLI-80 integrated amplifier has represented Cary Audio's least expensive entry into the magic of tube music systems. Thousands of satisfied music lovers have used the SLI-80 with all types of other equipment, and just continue to use it after the rest of their systems change. It features three pairs of RCA single-ended inputs, a pair of preamplifier outputs to use it for biamping or adding a powered subwoofer, a switchable headphone amplifier, and a remote control to adjust volume or mute the sound.

The amplifier section of the SLI-80 has a feature allowing you to decide how to configure the tubes on the fly, depending on your musical tastes of the moment, your speakers, and how loudly you want to listen. A pair of toggle switches will select either triode mode producing 40 watts per channel of pure class-A power, or ultralinear mode which doubles power to 80 watts per channel in class-AB. If you're listening to more subtle music and want to hear all of the inner detail, select triode mode for the most lifelike imaging and tonal accuracy. If you want to really let loose, switch to ultralinear mode and enjoy the extra power and dynamics. Your choice!

CAD-300SEI Integrated Amplifier

Tube aficionados have long known that the best possible realism and detail comes when an amplifier is run in SET mode, or Single-Ended Triode. This lets one power tube handle both sides of each musical waveform, eliminating some of the most fatiguing distortions. It results in lower output power, naturally, but with high-efficiency speakers played at reasonable levels, its ultimate simplicity means the ultimate in musical naturalness.

While only offering 15 watts per channel of pure class-A remote-controlled power, the 300SEI does things that almost no other amplifier today can achieve. Its careful attention to design and construction means that it is extremely quiet, allowing the tiniest musical details to float against a background of dead silence. This will help you perceive more accurate soundstaging and imaging cues, as well as the most realistic harmonic structure of each instrument. You can tell a Steinway from a Bösendorfer piano, a Stradivarius from a Guarneri or Amati violin, or a Fender from a Gibson guitar. You'll hear inner details of musical groups that you never knew were there. Sometimes the simplest IS the best, and the CAD-300SEI is a testament to that philosophy.

CAD-120S MkII Amplifier

Cary Audio has almost always offered stereo tube power amplifiers, and the CAD-120S MkII is the latest in this long line of award-winning, top-rated amplifiers. A perfect match in style for our SLP-03 tube preamplifier, this new version of our most popular power amplifier features a boosted sensitivity and reduced level of global feedback, allowing it to be used with a wider variety of other preamplifiers and produce a larger soundstage with more apparent musical detail.

Fully differentially-balanced like most Cary Audio products, the CAD-120S MkII offers both RCA single-ended and XLR balanced inputs to match any associated equipment. Front panel meters continually monitor the bias current to the tubes, helping you easily keep the amplifier operating at its peak efficiency. A huge power supply provides plenty of current storage to handle peak demands of your music and movies. It can be switched on the fly from triode mode (class-A) at 60 watts per channel, to ultralinear mode (class-AB) at 120 watts per channel. This lets you enjoy the greatest possible minute details of your more delicate music, or ask for much more power when you want to "turn it up to 11." The CAD-120S MkII can make almost any system sound its very best in your home.

Class A

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CAD-805AE Amplifier

Single-end triode (SET) tube amplifiers have long been considered the Holy Grail of music reproduction systems, operating in the purest form of class-A power output. Cary Audio began in 1989 by producing a SET monoblock amplifier as its first product, and today the CAD-805AE proudly carries on that tradition. Using just one tube to handle the entire musical signal typically does not allow for more than a few watts of output power, but the CAD-805AE, with its massive power supply, is able to produce over 50 watts.

Cary Audio always hand-builds their tube products and carefully matches the tubes. In the case of the CAD-805AE monoblocks, this even extends to giving you two very different types of output tubes as standard. These two tubes have a quite different sonic character from each other, and by giving you both you can fine tune your system to best match your musical taste, your speakers, and your room's acoustic signature. A pair of these monoblocks represent the pinnacle of today's tube design capability, and will make your system sing as never before. If you want the very best and most accurate musical response in your home, audition the CAD-805AE.

CAD-211FE Amplifier

It is well known that using monoblock amplifiers, as opposed to both channels together as a stereo chassis, is the best way to get powerful and lifelike music. By using separate power supplies that can be much more massive, each amplifier can have more dynamic power and be quieter. Keeping two separate amplifiers also makes any inter-channel crosstalk in the amplifiers impossible, so separation is better, meaning your soundstage and musical imaging will be larger and more well-defined. The simple act of separating the two channels provides a lot of distinct advantages, but also increases the investment because of needing to double up on power supplies and chassis parts.

Is this extra expense worth it? One listen to the CAD-211FE will convince you that it most certainly is. With over 70 watts of class-A power, automatically transitioning as needed to over 150 watts in class-AB, this powerhouse will effortlessly drive nearly any speaker to realistic live performance levels. It includes a bias meter on the front panel to help you maintain your amplifier at its peak operating level, and offers both XLR balanced and RCA single-ended inputs to match your system. Fully differentially-balanced construction, zero global feedback, and huge reserves of current and power mean that your system will come alive with all types of music and movies.

SA-200.2 Amplifier

Cary Audio's expertise also extends to solid-state electronics, as evidenced by the SA-200.2 stereo power amplifier. Sharing our design goals of fully differential-balanced construction to eliminate many causes of noise, allowing more details of your music and movies to emerge, we have also "voiced" the amplifier to sound tube-like, with a sweet high end and a lush and involving midrange. It does, however, produce taut and powerful bass response beyond what most tube amplifiers can manage. Its wide frequency bandwidth and low noise characteristics combine to reproduce the most subtle harmonic shadings of the music, resulting in accurate timbral renderings of instruments and voices and wider dynamic contrasts. You'll hear more of the music and the movies than you ever thought possible from a high-powered solid-state amplifier.

The SA-200.2 shares its circuitry with its big brother, the SA-500.1 500 watt monoblock. If your needs ever change (more demanding speakers, larger room, etc.), we can replace the SA-200.2's stereo input module with the parallel bridging mono module, and turn it into an SA-500.1. Matched parts, a high-current oversized power supply, modular construction, short signal paths – all these benefits mean a long lifetime of enjoying effortless, natural music.

SA-500.1 Amplifier

For those who have the most demanding speakers, or very large spaces, or simply desire limitless dynamics and power, Cary Audio offers the SA-500.1 solid-state monoblock power amplifier. Sharing a chassis, power supply, and amplifier channels with the SA-200.2, the SA-500.1 uses a newly-developed input module to run in a balanced-parallel configuration, more than doubling the available power. With over 500 watts on tap with 8-ohm speakers, and over 1000 watts for 4-ohm speakers, these big monoblocks can handle any conceivable load or room with power to spare.

These amplifiers are not only muscular, but also refined in their musical abilities. Even the very finest speakers available can profit being driven by the SA-500.1 amplifier. A tremendous amount of care was taken to insure that it maintains the delicacy and musical accuracy of its stereo sibling, the SA-200.2. Since it is the same amplifier at its heart, only varying in the input board used, the SA-500.1 is just as musical and enjoyable. If your needs dictate tremendous power and rock-solid control of your music and movies, whether for full range or biamping applications, make sure to choose the SA-500.1.

HH-1 Headphone Amplifier

Cary Audio's all-new HH-1 headphone amplifier is a stunning achievement in sound quality. Its hybrid design features a tube preamplifier stage followed by a single-ended FET solid-state amplifier, using the best performance features of both technologies combined to give you the most enjoyable listening experience possible.

Top quality parts, excellent engineering, beautiful fit and finish, simple to hook up and use in any system configuration, designed and built in the USA, the HH-1 headphone amplifier will give you years of detailed and accurate musical reproduction with virtually any high-quality headphones.

DAC-200ts Digital to Analog Converter

The DAC-200ts digital to analog converter is the pinnacle in digital AND analog circuit topology. Packed with features like TruBit™ upsampling, the DAC-200ts utilizes a 128 bit DSP engine that expands native bit depths to 32 bits and upsamples incoming rates to 1 of 7 selectable sample rates, up to 768 kHz! Whether a signal is upsampled or left native, the signal is clocked several times with our OSO™ reclocking, then sent to 4 independent DACs for 8 channels of processing. Why do we go to such lengths when our competitors use one or maybe two DACs? Because using multiple parallel DACs ensures that the process of converting a true balanced or single ended digital signal will retain all the musicality stored within while transitioning it to a pure analog signal that sounds like analog! Even more important than the digital topology is the analog circuit. Once we've ensured the best possible, most pure, conversion of the digital information to an analog signal it is introduced to our analog circuit. Drawing on our years of experience in designing some of the world's best analog circuits, the analog section of the DAC-200ts is nothing short of amazing. Our Dual Independent Output (DiO™) analog topology utilizes a separate solid state output stage and a separate vacuum tube output stage.

The DAC-200ts supports super high resolution Asynchronous USB computer audio. That means PCM up to 32 bit/ 384 kHz as well as native DSD 64, 128, and 256 audio. Additionally, the DAC-200ts includes; CSR aptX® lossless Bluetooth, SPDIF coaxial and Toslink inputs, AES/EBU input and both fully balanced XLR and RCA outputs. Large VFD display, full function remote control, and Ethernet and Wi-Fi for control systems are also included.

DMC-600 & DMC-600SE
Digital Music Centers

The DMC-600SE Digital Music Center combines the past with the future and is designed for traditionalists as well as new-age music lovers. Now, one can continue to enjoy their extensive CD collection while exploring the virtues of high resolution and super high resolution Asynchronous USB computer audio. The DMC-600SE supports PCM up to 32 bit/ 384 kHz native audio as well as native DSD 64, 128, and 256 audio. Additionally, the DMC-600SE includes; CSR aptX® lossless Bluetooth, SPDIF coaxial and Toslink inputs, AES/EBU inputs and both fully balanced XLR and RCA outputs. To further enhance your listening enjoyment, The DMC-600SE also includes our TruBit™ Upsampling technology and our DiO™ vacuum tube and solid state analog outputs, as well as many other benchmark features.

Differentiating it from the DMC-600, the DMC-600SE utilizes super premium reference grade components within the analog output sections for further performance enhancements as well as a clock input for use with an external master clock for recording studios and professional or semi-professional use.

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DMS-500 Digital Music Streamer

Cary Audio has long been synonymous with the world's best sounding audio components. No matter vacuum tube or solid state, analog or digital, two-channel or multi-channel, Cary Audio has always represented the pinnacle of performance. The new DMS-500 is no exception and represents the ultimate in network audio!

The DMS-500 Network Audio Player is a groundbreaking design that not only meets the Hi-Fidelity demands of today, but also the future. It's hard to call something future proof, but streaming native PCM up to 32 bit 384 kHz, and DSD 64, 128, 256, 512, the future is actually here!

Connecting the DMS-500 to your wired or wireless home network opens up a new world of musical enjoyment like never before. Easily stream any files from any MAC or PC computer(s), NAS drives, and Internet Music Services. To go one step further, directly connecting USB hard drives, thumb drives, or SD Cards allows for "computer-less" playback of digital music. Whether network or computer-less, the DMS-500 will transform your digital files effortlessly into beautiful analog rich music at a level you've come to expect from Cary Audio's long history of renowned digital products.

Using our TruBit™ PCM and DSD technology you can convert PCM to DSD 64, 128, 256, or up to 768 kHz in PCM. Used in your reference Hi-Fi system, or as a digital "hub" in a digital only system paired with a set of powered speakers, the DMS-500 will not only please your ears but the 5" full color HD display is also easy on the eyes. The most intricate of artwork bursts through with layers of gorgeous detail along with all pertinent track information.

Additional features include built in Tidal, Spotify, aptX® lossless fi™ Bluetooth, legacy inputs of Coaxial (x2), Optical (x1), AES/EBU (x1), Coaxial and Optical outputs, RCA and XLR fully balanced outputs, OSO™ Re-clocking, and a full 3 volt variable volume control.

Cinema 12 Preamplifier/Surround Processor

After two decades of producing some of the world's best two-channel tube gear, Cary Audio set its mind to applying the same sonic perfection to home theater. The latest expression of this quest is the Cinema 12 surround preamplifier-processor. With four of the latest high-speed HDMI v1.4a inputs, the Cinema 12 is ready for 3D, Ethernet over HDMI, or any of the other benefits of this technology. It also features plenty of other digital and analog inputs that are completely configurable to match your equipment and the sonic characteristics of your room. HD radio accompanies standard AM and FM, so you can access all of your local broadcasts.

Perhaps the most important criteria as we designed the Cinema 12 was not all of this flexibility, although that is very important to help it fit into more systems, but rather the attention we paid to its sonic performance. We used the latest 32-bit/192 kHz DAC chips to give you the most accurate surround decoding and steering, so your movies will sound better. A well-regulated power supply and the very best parts selection means that low noise and distortion will allow all of the myriad tiny details to be properly reproduced, resulting in more accurate and lifelike music and movie soundtracks. Two separate user profiles are available to fine-tune your Cinema 12 to perfectly fit your taste in both movies and music. All in all, the Cinema 12 reaches new heights in both sound quality and ease of operation, and is truly the finest surround processor available.

Universal Remote Control

One of the most common issues with operating today's entertainment systems is the plethora of remote controls involved. Cary Audio has introduced a powerful new universal remote to control all of your electronic components easily and conveniently. It will operate up to ten different products, and is pre-programmed with IR codes for virtually all brands and models (over 230,000 devices). If something is missing you can teach the commands from the original remote to Cary Audio's Universal Remote Control with the press of just a couple of buttons. It is also programmed with remote commands for all Cary Audio products ever offered (that use a remote), so you can easily integrate an older preamplifier, for example, into your new system.

To manage a complex system, it is important that a remote control operate the multiple components in a given order, automating the task of selecting a source and starting the music or movie. The Universal Remote Control provides 18 macros, each containing up to 20 steps from any of the ten controlled components. You can also set up ten sets of favorite channels so each family member can quickly find their favorite shows. These one-touch activity-based controls allow your family and friends to easily and intuitively turn on the entertainment they want.

MA-300

Tube power amplifiers need to have a bias current applied to their tubes to regulate the amount of electron flow, creating the proper current flow. It is important to keep that bias current at its correct level as tubes break in and as they age. It's not always easy to dig out a multimeter, make sure its batteries are good, and then remember where to set it to get the correct reading.

Cary Audio's MA-300 is a single-purpose meter, only measuring milliamps of DC current, and with an installed connector, all mounted in an attractive steel stand. This makes it very easy to plug it in to any of our amplifiers and get an instant reading of each channel's bias. A simple adjustment with a small screwdriver will turn it up or down until the meter reads the proper level, and you'll have the best performance from your amplifier once again.
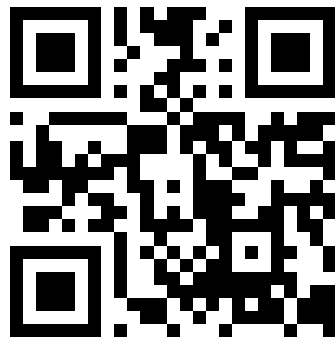
the ultimate audio experience.

product
specifications .

The specifications listed in this catalog are just the basic specifications of each product. Visit our website for more information on these products and a full list of specifications. Please contact us if you have any questions.

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Preamplifiers

	SL-100	SLP-98L	SLP-98P	SLP-05	PH-302 MkII
RCA Inputs/Outputs	6 pr./2 pr.	5 pr./2 pr.	5 pr./ 2 pr.	4 pr./ 1 pr.	2 pr.(MM & MC)/ 1 pr.
Balanced Inputs/ Outputs	1 pr./ 1 pr.	NA	NA	2 pr./ 1 pr.	NA
Gain	16 dB	20 dB	20 dB & 43dB Phono	10 dB RCA, 8 dB Bal.	33 dB MM/60 dB MC
Tubes	4-12AU7	4-6SN7 Line	4-6SN7 Line 2-12AX7 Phono 2-12AU7 Phono	8-6SN7 Balanced, Gain, & Headphone. 1-5AR4 Rectifier in PS	2-6SL7 Head Amp 2-6SL7 Gain Stage 1-5AR4 Rectifier
Frequency Response	5 Hz to 50 kHz	5 Hz to 163,000 Hz	5 Hz to 163,000 Hz	5 Hz to 250,000 Hz	RIAA Curve +0.5 dB
Input Impedance	100k Ohms RCA/200k XLR	50k Ohms Line/47k Phono	50k Ohms Line/47k Phono	100k Ohms RCA/100k XLR	MM-74k Ohms/MC-10, 43, 100, 330, 470, 47k Ohms
Output Impedance	500 Ohms RCA/500 XLR	440 Ohms	440 Ohms	400 Ohms	660 Ohms
Noise & Hum	-90 dB	-88 dB	-88 dB	-90 dB	-78 dB
Phono	NA	See SPL-98 P	MM	NA	MM & MC
Cinema Bypass	Yes, 1 pr. RCA	Optional, RCA	NA	1pr.-RCA, 1pr.-bal.	NA
Remote Control	Full	Vol, Mute	Vol, Mute	Vol, Mute	NA
Power Consumption	75 w	44 w	44 w	75 w	35 w
Weight	25 lbs	22 lbs.	22 lbs.	16 lbs. Pre, 19 lbs. PS	22 lbs
Dimensions	4.5" H x 17" W x 13" D	5" H x 12.5" W x 12" D	5" H x 12.5" W x 12" D	6.25" H x 17" W x 12" D - preamplifier 4.5" H x 17" W x 12" D - power supply	4" H x 17" W x 13" D

Solid State Integrated Amplifier

	SI-300.2d
Digital Outputs	Coaxial, Toslink operating at Sample Frequency (Fs) from 44.1 kHz to 192 kHz, 16 bit to 24 bit
Digital Input Sample Rates	USB operating at Sample Frequency (Fs) from 44.1 kHz to 384 kHz, 16 bit to 32 bit, DSD 64, DSD 128 and DSD 256 BLUETOOTH operating at Sample Frequency (Fs) 44.1 kHz, 16 bit AES/EBU, Coaxial, Toslink operating at Sample Frequency (Fs) from 44.1 kHz to 192 kHz, 16bit to 24 bit
Master Clock Jitter	Below measurable levels
Digital Sampling Rates (Fs)	44.1 kHz to 768 kHz
Digital Filter	8x Oversampling Digital Filter
Digital/Analog Converters	2 channel AK4490EQ
BLUETOOTH	CSR Bluetooth v 4.0 with aptX® low latency audio decoder
Analog Filter	3rd Order Bessel
Preamplifier Outputs	Balanced XLR , Single – Ended RCA
Analog Input	Single-Ended RCA x 2; Balanced XLR x 2
Analog Input Impedance	10 kΩ Unbalanced; 20 kΩ Balanced
Power Amplifier Outputs	2 x 300W RMS in 8 Ω from 20Hz to 20KHz; 2 x 450W RMS in 4 Ω from 20Hz to 20KHz
Circuit Type	Solid State, Class A/B
Frequency Response	10Hz – 50KHz +/- 0.1dB (at 10db below rated output power)
Distortion (SMPTE-1M)	< 0.5%
S/N Ratio	>100dB, "A" Weighted
Protections	Full short circuit, thermal, Ultrasonic, RF; Signal muting & current limiter
Control	Trigger output 12.0 VDC x 1; IR control x 1
Communication	Ethernet RJ45 full remote configuration interface; Wi-Fi 802.11 b/g/n
Power Input	Configured at factory for either 110-120 or 220-240 VAC, 50-60 Hz
Power Consumption	52 lbs.
Weight	6.0″ H x 17.25″ W x 18.0 " D

Tube Integrated Amplifiers

	SLI-80	CAD-300SEI
Power per Channel	40w in A ; 80w in AB	15w in A
Circuit Type	Push Pull	SET
Frequency Response	19 Hz to 23 KHz	20 Hz to 23 KHz
Noise & Hum	-82 dB	-90 dB
Tubes	2-6922 Input 2-6SN7 Driver 2-5U4 Rectifier 4-KT88 Output	1-6SN7 Input 2-6SN7 Driver 2-300B Output
RCA Inputs/Outputs	3 pr./1 pr.(Sub-Full Range)	3 pr./NA
Remote Control	Vol, Mute	Vol, Mute
Power Consumption	166 w	107 w
Weight	42 lbs.	51 lbs.
Dimensions	7" H x 17" W x 16" D	8" H x 14" W x 14" D

Tube Amplifiers

	CAD-120S MkII	CAD-805AE	CAD-211FE
Channels	2 (stereo)	1 (Mono)	1 (Mono)
Power per Channel	60w in A 120w in AB	50w in A	70w in A, 110w in AB 150w in B
Circuit Type	Triode/Push Pull	SET	Triode/Push Pull
Frequency Response	17 Hz to 25 KHz	20 Hz to 20 KHz	20 Hz to 20 KHz
Input Impedance	100k Ohms RCA/100k XLR	150k Ohms RCA	100k Ohms RCA/200k XLR
Tubes	2- 6SN7 Input 2-6SN7 Driver 8-KT88 Output	2-6SN7 Input 1-300B Driver 1-845 & 211 Output 1-1629 Output	1-6CA7 Current 1-6SL7 Input 2-300B Driver 2-845 Output
Power Consumption	NA	230 w	280 w
Weight	65 lbs.	80 lbs.	90 lbs.
Dimensions	8H x 17 W x 14D	8.5H x 12.25W x 24 D	10H x 12.25W x 24 D

Solid State Amplifiers

	SA-200.2	SA-500.1
Number of Channels	2 (stereo)	1 (Mono)
Circuit	Class AB	Class AB
Power per ch. @ 8 Ohms	200w	500w
Power per ch. @ 4 Ohms	350w	1000w
Frequency Response	10Hz to 50KHz	10Hz to 50KHz
Input Impedance	22k Ohms RCA/22k XLR	30k Ohms RCA/30k XLR
Signal to Noise	>100 dB "A" Weighted	>100 dB "A" Weighted
Output Devices	Bipolar	Bipolar
RCA Inputs	1 pr.	1 (Single)
Balanced Inputs	1 pr.	1 (Single)
Weight	65 lbs	65 lbs.
Dimensions	7" H x 17.7"W x 19.5 "D	7" H x 17.7"W x 19.5 "D

Headphone Amplifier

	HH-1
Input Impedance	50K ohms
Frequency Response	5Hz to 35 kHz (-1dB)
Signal to Noise Ratio	>90dB at 0dB gain
Output Power	200mW/300 ohms, 300mW/30 ohms
Tube Complement	2 x 6922 (6DJ8 Tubes)
Headphone Connector	1 x phone jack
Recommended Headphone Impedance Range	30-600 ohms
Weight	10 lbs.
Dimensions	14.5" L x 8.5" W x 4" H

Digital to Analog Converter

	DAC-200ts
USB Processor	XMOS Asynchronous processing
SP/DIF Input Receiver	N/A
Master Clock Jitter	Below measurable levels
Digital Sample Rates (Fs)	44.1 kHz to 768 kHz
Digital Filter	8x Oversampling Digital Filter
Digital to Analog Converters	4 X 2 channel AK4490EQ working on true balanced output
Digital Outputs	Coaxial, Toslink operating at Sample Frequency (Fs) from 44.1 kHz to 192 kHz, 16 bit to 24 bit
Digital Inputs	6 selectable inputs - (2) coaxial, (1) Toslink, (1) USB, (1) BLUETOOTH, (1) AES / EBU
BLUETOOTH	CSR Bluetooth v 4.0 with aptX® low latency audio decoder
Analog Filter	3rd Order Bessel
Analog Output(s)	RCA analog output (gold plated) XLR Balanced
Digital Input Sample Rate	USB operating at Sample Frequency (Fs) from 44.1 kHz to 384 kHz, 16 bit to 32 bit, DSD 64, DSD 128 and DSD 256. BLUETOOTH operating at Sample Frequency (Fs) 44.1 kHz, 16 bit. AES/EBU, Coaxial, Toslink operating at Sample Frequency (Fs) from 44.1 kHz to 192 kHz, 16bit to 24 bit
Bit Depths Accepted	16, 24, 32 bit, LPCM 2-ch audio stream
Power Transformer	R-Corel transformer (Digital Supply) R-Corel transformer (Analog Supply)
Dynamic Range	123dB
Signal to Noise Ratio	112dB
Noise and Hum	N/A
Audio Output Level	3.0V RMS
Frequency Response	2Hz - 100kHz
Control	(1) Trigger input 12VDC, (1) IR control
Communication	Ethernet RJ45 full remote configuration interface Wi-Fi 802.11 b/g/n
AC Power Requirements	120 VAC @ 50/60 Hz 240 VAC @ 50/60 Hz
Power Consumption	52 Watts
Tube Compliment	2 - 12au7 tubes
Weight	28 lbs.
Dimensions	16.25" L X 17.25" W X 3.75" H

*To achieve higher then 96kHz over Toslink requires that the Toslink transmitter of the digital source and Toslink cable both be compatible and capable of outputting greater than 96kHz. Many times, this is not the case. Please check with your digital source and Toslink cable documentation.

Digital Music Centers

	DMC-600	DMC-600SE
CD Mechanism	Triple-beam laser, multi-speed CD transport	Triple-beam laser, multi-speed CD transport
Formats	CD AUDIO (CD-DA), CD-R, CD-RW	CD AUDIO (CD-DA), CD-R, CD-RW
Master Clock Jitter	Below measurable levels	Below measurable levels
Digital Sampling Rates (Fs)	44.1kHz to 768kHz	44.1kHz to 768kHz
Digital Filter	8x Oversampling Digital Filter	8x Oversampling Digital Filter
Digital to Analog Converters	(1) 4 channel AK4495EQ and (2) 2 channel AK4490EQ for true balanced and single ended outputs	(1) 4 channel AK4495EQ and (2) 2 channel AK4490EQ for true balanced and single ended outputs
BLUETOOTH	CSR bluetooth v 4.0 with aptX low latency audio decoder	CSR bluetooth v 4.0 with aptX low latency audio decoder
Analog Filter	3rd Order Bessel	3rd Order Bessel
Analog Outputs	Balanced XLR , Single – Ended RCA	Balanced XLR , Single – Ended RCA
Digital Outputs	Coaxial, Toslink operating at Sample Frequency (Fs) from 44.1 kHz to 192 kHz, 16 to 24 bit	Coaxial, Toslink operating at Sample Frequency (Fs) from 44.1 kHz to 192 kHz, 16 to 24 bit
Digital Inputs	6 selectable inputs - (1) USB (PC & MAC), (1) BLUETOOTH, (1)AES/EBU, (2) Coaxial, (1) Toslink	9 selectable inputs - (1) USB (PC & MAC), (1) BLUETOOTH, (1)AES/EBU, (2) Coaxial, (1) Toslink, (1) Master Clock Loop
Digital Input Sample Rate	USB: operating Sample Frequency (Fs) from 44.1 kHz to 384 kHz, 16 bit to 32 bit, DSD 64, DSD 128 and DSD 256 BLUETOOTH: Sample Frequency (Fs) 44.1 kHz, 16 bit AES/EBU, Coaxial, Toslink: operating Sample Frequency (Fs) from 44.1 kHz to 192 kHz, 16 to 24 bit	USB: operating Sample Frequency (Fs) from 44.1 kHz to 384 kHz, 16 bit to 32 bit, DSD 64, DSD 128 and DSD 256 BLUETOOTH: Sample Frequency (Fs) 44.1 kHz, 16 bit AES/EBU, Coaxial, Toslink: operating Sample Frequency (Fs) from 44.1 kHz to 192 kHz, 16 to 24 bit
Tube Compliment	2 - 12au7 tubes	2 - 12au7 tubes
Control	(1) Trigger input 12VDC, (1) IR control	(1) Trigger input 12VDC, (1) IR control
Communication	RS232 full remote configuration interface	RS232 full remote configuration interface
Power Input	120 VAC @ 50/60 Hz; 240 VAC @ 50/60 Hz	120 VAC @ 50/60 Hz; 240 VAC @ 50/60 Hz
Power Consumption	86 Watts	86 Watts
Weight	35 lbs	35 lbs.
Dimensions	5.25" H x 17.25"W x 16.25 "D	75.25" H x 17.25"W x 16.25 "D

Please visit our website for more specifications for the Audio (CD), USB Playback (PCM & DSD), and SPDIF Playback; coaxial, Toslink, and AES/EBU (PCM).

Digital Music Streamer

|	DMS-500
Master Clock Jitter	Below measurable levels
Digital Sample Rates (Fs)	44.1 kHz to 768 kHz
Digital Filter	32-Bit 8x Oversampling Digital Filter
Digital / Analog Converters	2 – 2 channel AK4490EQ for working on true balanced output
BLUETOOTH	CSR Bluetooth v 4.0 with aptX® low latency audio decoder
Analog Filter	3rd Order Bessel
Analog Outputs	Balanced XLR, Single – Ended RCA
Digital Outputs	Coaxial, Toslink operating at Sample Frequency (Fs) from 44.1 kHz to 192 kHz, 16 bit to 24 bit
Digital Inputs	USB x 3, SD Card x 1 BLUETOOTH x1 AES/EBU x1, Coaxial x2, Toslink x1
Digital Input Sample Rate	USB operating at Sample Frequency (Fs) from 44.1 kHz to 384 kHz, 16 bit to 32 bit, DSD 64, 128, 256 and 512. BLUETOOTH Sample Frequency (Fs) 44.1 kHz, 16 bit. AES/EBU, Coaxial, Toslink operating at Sample Frequency (Fs) from 44.1 kHz to 192 kHz, 16 bit to 24 bit
Control	Trigger input 12VDC x1 IR control x1
Communication	Ethernet RJ45 full remote configuration interface Wi-Fi 802.11 b/g/n
Power Input	Configured at factory for either 110-120 or 220-240 VAC, 50-60 Hz
AC Power Requirements	45 Watts
Weight	23.5 lbs
Dimensions	3.75″ H x 17.25″ W x 16.25″ D

Please visit our website for more specifications for the Audio (LPCM), Network, USB, SD Card Playback, and SPDIF Playback; coaxial, Toslink, and AES/EBU (IPCM).

Preamplifier/Surround Processor

	Cinema 12
Chipset	Cirrus Logic CS49700
HDMI Version	1.4a
Auto Setup	Cirrus Logic CS49700
Equalizer	10 bands per speaker
Crossover	11 selectable Frequencies per speaker
Surround formats	5.1 & 7.1
Decoding	Dolby True HD, Dolby Digital Plus, DTS-HD Master Audio, DTS-HD Hi-Res Audio, Dolby Digital, Dolby Pro Logic Iix, Dolby Digital EX, DTS-ES Discrete, DTS NEO 96/24, CES Matrix Surround
Inputs	4-HDMI, 7-RCA Analog, Coax, or Toslink (selectable), XLR Analog or Digital (selectable), Multi-CH 7.1 Analog RCA
Outputs	1-HDMI, 7.1 RCA & Bal. Zone 2 Stereo RCA & Toslink
Analog to Digital Converter	Burr Brown 1802
Input Receiver	Cirrus CS 8416
Processor	Dual 32 Bit Audio DSP @ 516 MIPS
Digital to Analog Converter	2-32 Bit Burr Brown 1795
Frequency Response	10 Hz to 20 kHz
Dynamic Range	115 dB
Signal to Noise	108 dB
Power Consumption	25 w
Weight	25 lbs.
Dimensions	17.7" W x 4.5" H x 16.5" D

Accessories

Universal Remote	**MA-300**
2.0-inch TFT color LCD screen	Meter Range: 0 to 300 mA
Selectable menus	Plug: 1/4 inch phono plug
Learning wizard	Weight: 1 lb.
10-in-1 universal remote control	Dimensions: 3" H x 3.5" W x 3" D
Built-in big code library and learning functions	
Calculator feature	
Date and Time	
Total 56 buttons	
Preset for all CARY IR remote codes	
White backlit buttons	
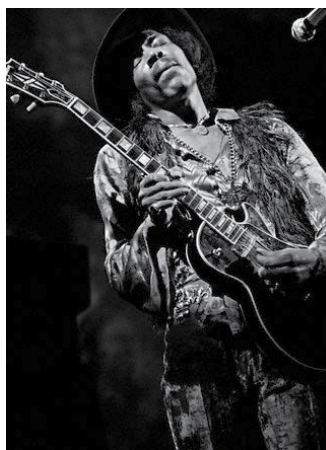
"I recently purchased a stack o' gear (CAD 211 amps, PH 302, SLP 05 and CD 306 SACD) through Audio Connection. You've probably heard it before but – holy smokes....my setup makes music like never before. I had the SLP 05 and PH 302 home for audition so I had a pretty good idea what to expect from them when I got my pieces. But those amps! They are simply awesome: the most musical sounding amps I have ever owned."

- John Connolly

"This new Cinema 12 is simply the best sounding processor I have ever heard (and I have heard a lot over the years). The addition of the extra 2 HDMI inputs is a bonus for me."

- Joshua Holko

"I'm not going to mince words; the Cary Audio SLP-05 is one of the finest preamplifiers I have ever heard. And I've heard many. It's rare when a single component can impart such a profound impact on the performance of a system, but the SLP-05 took my system up a notch, maybe three."

- Jim Swantko, hometheaterreview.com

"If I had known what I know now and it was available, I would have bought the SLI-80 forty five years ago and I'd never buy another. Keep on rockin'!"

- John Gilkey

what others are saying...

"The Cary DAC delivered the musical goods. Its sound is big, solid, well-defined, rich, and musically engaging."

- Michael Lavorgna, AudioStream

"Firstly, my overall experience with the DMC-600SE was superior to just about anything in the recent past. One thing that seemed to become evident almost immediately, no matter what genre of music used was the clarity each musical selection possessed in evaluation."

- Brett Rudolph, Enjoy the Music

"Let's start with the punch line: The Cary SLP 05 is the single best equipment purchase I have ever made. It is wonderful sounding, convenient to use, beautiful to look at and built like a tank (two tanks, actually – separate power supply)."

"The Cary is detailed without being etched. It's smooth without being pudgy, overly warm or "romantic." I've made many purchases that made me very happy. But nothing has done for my system what the SLP 05 has. It's finally made me stop and listen to the music, and that, for me, is what this obsessive hobby is all about."

- Richard Birke

"While I've heard only a small portion of all the perfectionist audio preamps in the world, I can confidently say that the Cary SLP 98P is a distinct, and distinctly musical, choice. Far from being another me-too preamp in any way, the Cary rewards the tube-friendly listener with a view on the music that I consider not only to my taste, but truthful. That the Cary is priced fairly for what's gone into it — and a lot lower than most of its worthiest competitors — is no small blessing in itself."

- Art Dudley, Stereophile

Cary Audio has a passion for the finest possible reproduction of music and cinema. That passion drives us to develop the very best high-performance audio and video products in the world, utilizing the finest components available, maintaining the highest manufacturing and quality control standards, and remaining committed to the best in service and support to our customers and dealers worldwide.

CARY C)) AUDIO